



FIG. 1A

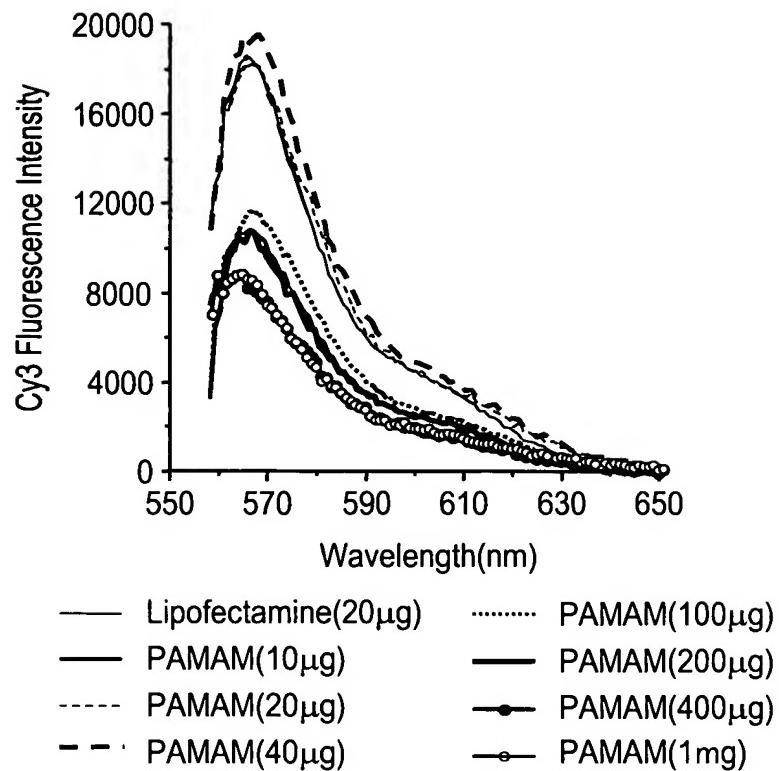
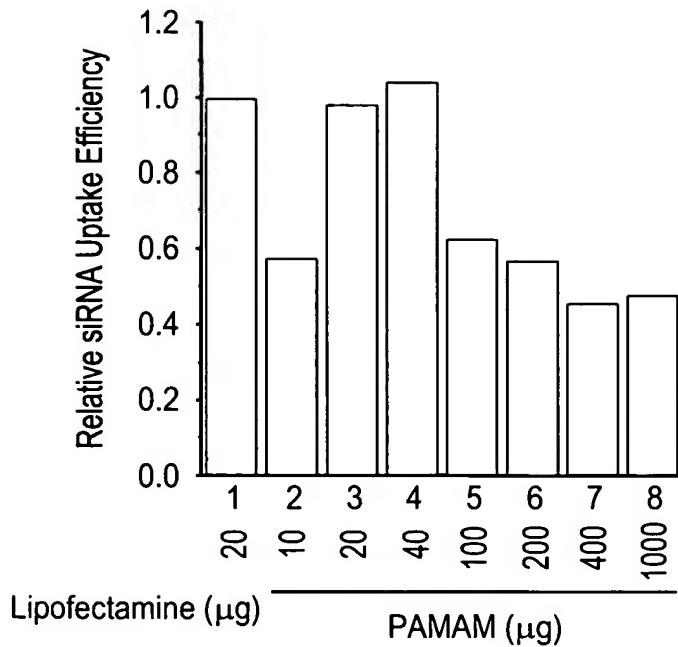
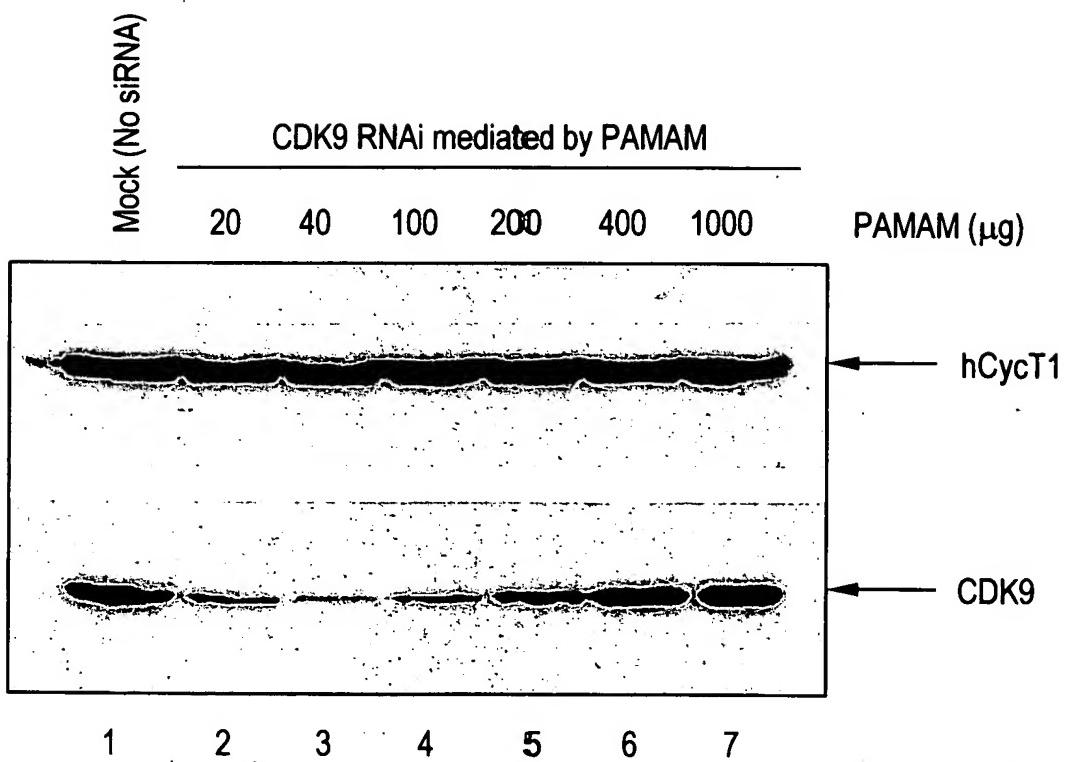


FIG. 1B



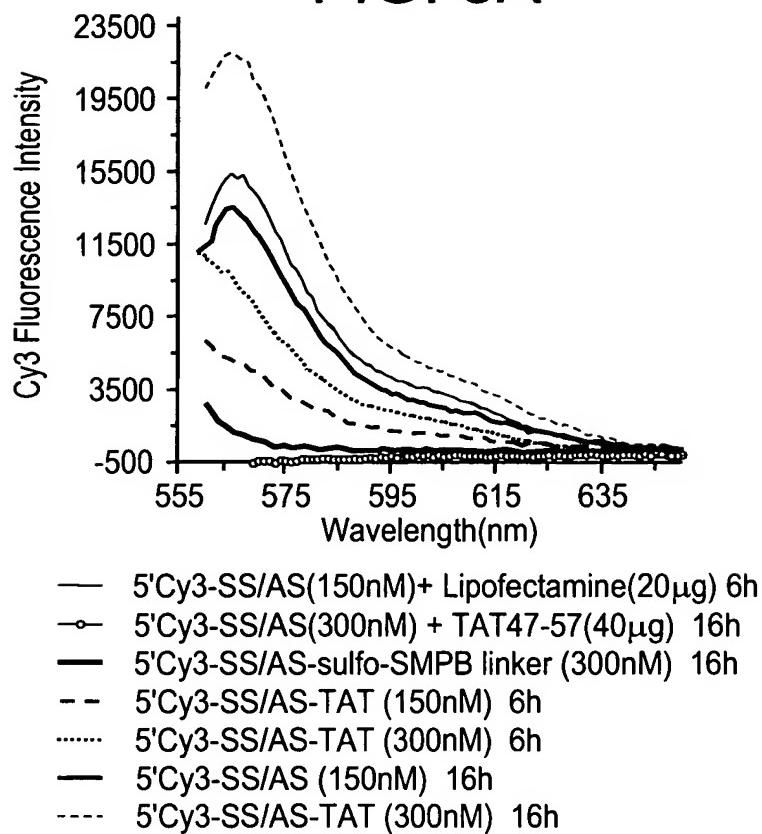
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## FIG. 2

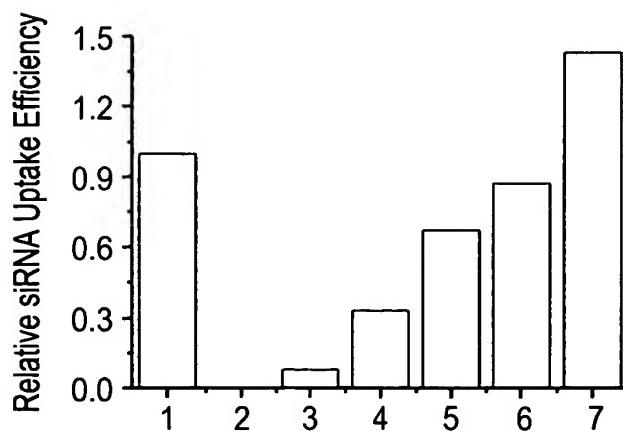


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**FIG. 3A**



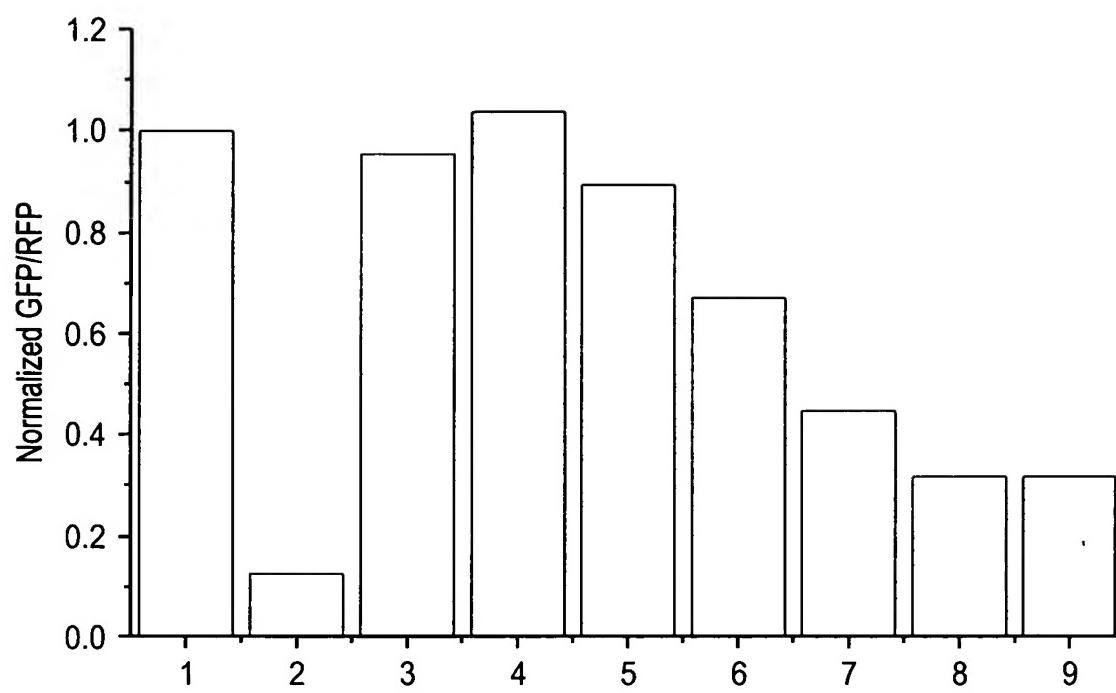
**FIG. 3B**



- |  |                                 |
|--|---------------------------------|
| 1. Cy3-SS/AS-3'N3 (300nM) by Lipofectamine | 5. Cy3-SS/AS-3'TAT (300nM), 6h  |
| 2. Cy3-SS/AS-3'N3+TAT (300nM), 16h         | 6. Cy3-SS/AS-3'TAT (150nM), 16h |
| 3. Cy3-SS/AS-3' sulfo-SMPB (300nM), 16h    | 7. Cy3-SS/AS-3'TAT (300nM), 16h |
| 4. Cy3-SS/AS-3'TAT (150nM), 6h             |                                 |

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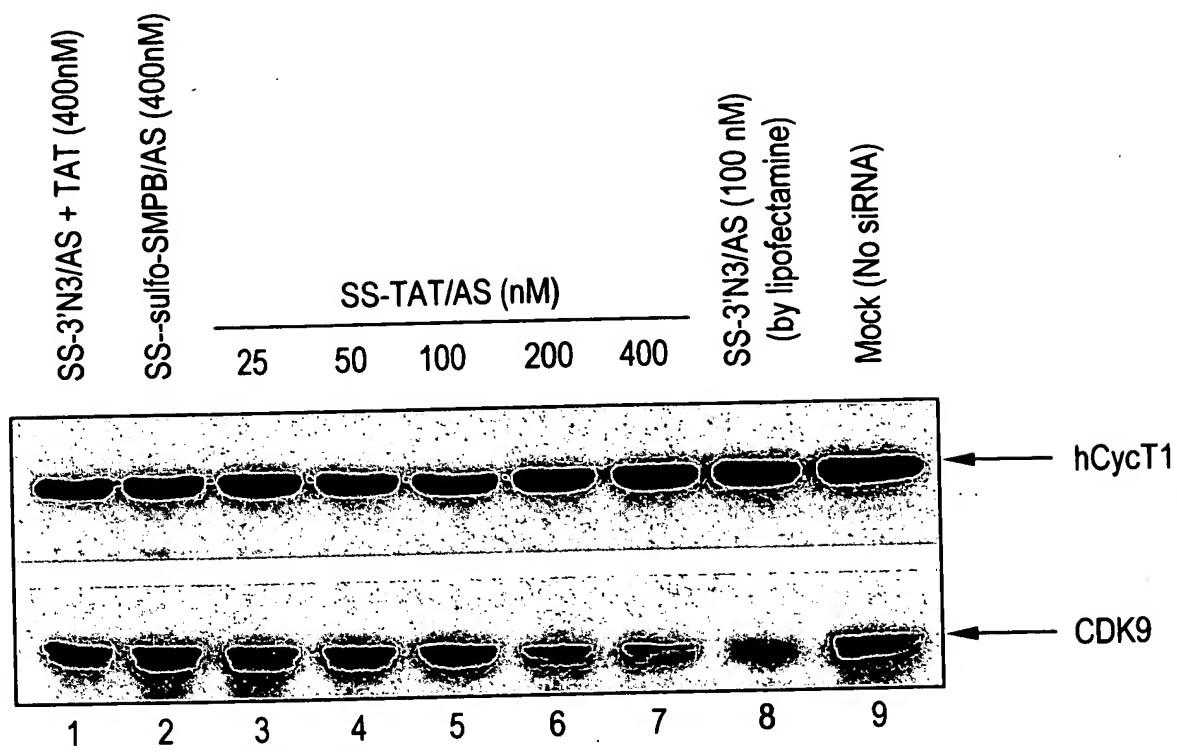
FIG. 4



1. Mock
2. SS/AS-3'N3 (100nM) by Lipofectamine
3. SS/AS-3'N3+TAT (300nM)
4. SS/AS-3'N3-Sulfo-SMPB (300nM)
5. SS/AS-3'TAT (25nM)
6. SS/AS-3'TAT (50nM)
7. SS/AS-3'TAT (100nM)
8. SS/AS-3'TAT (200nM)
9. SS/AS-3'TAT (300nM)

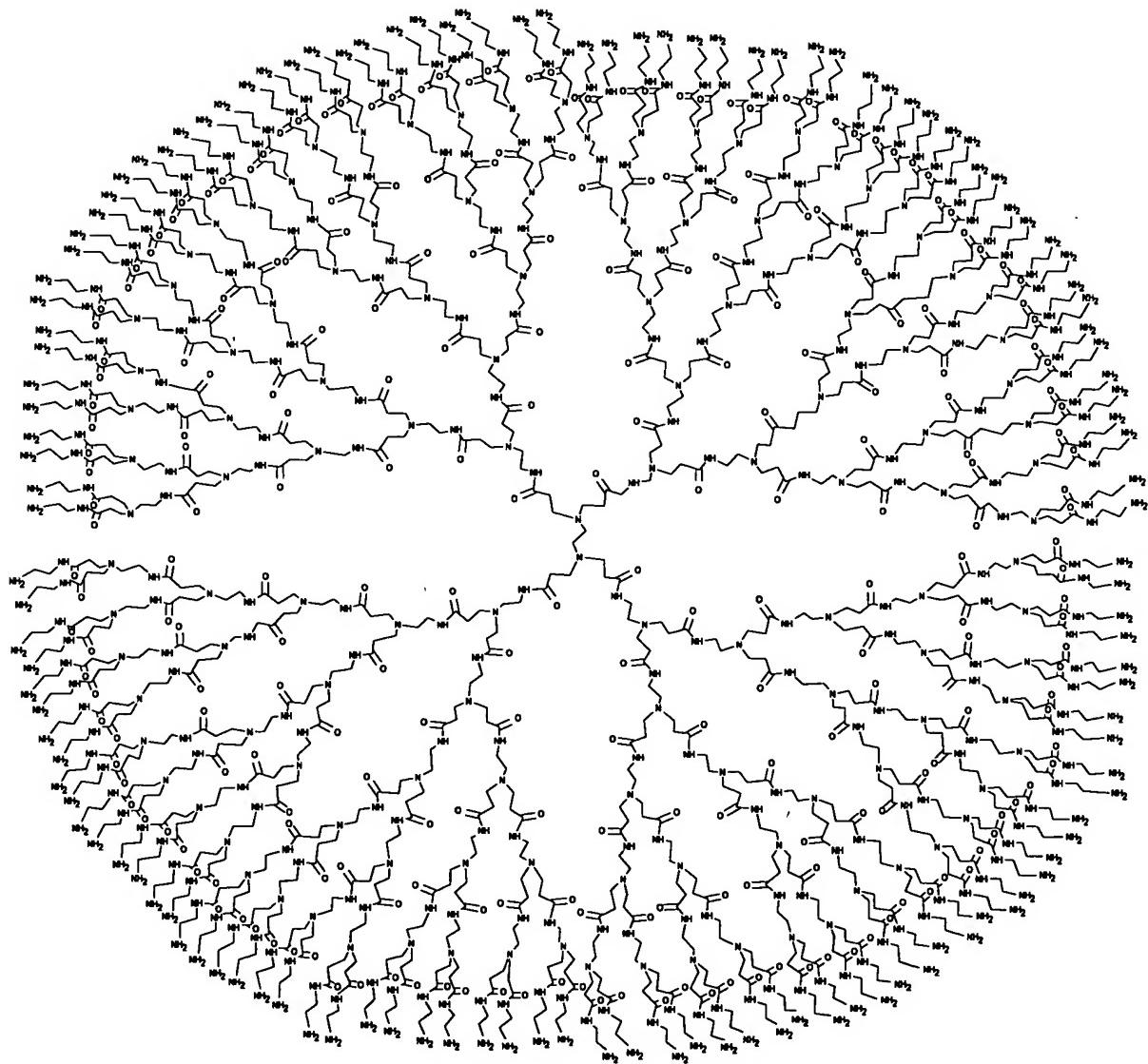
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FIG. 5



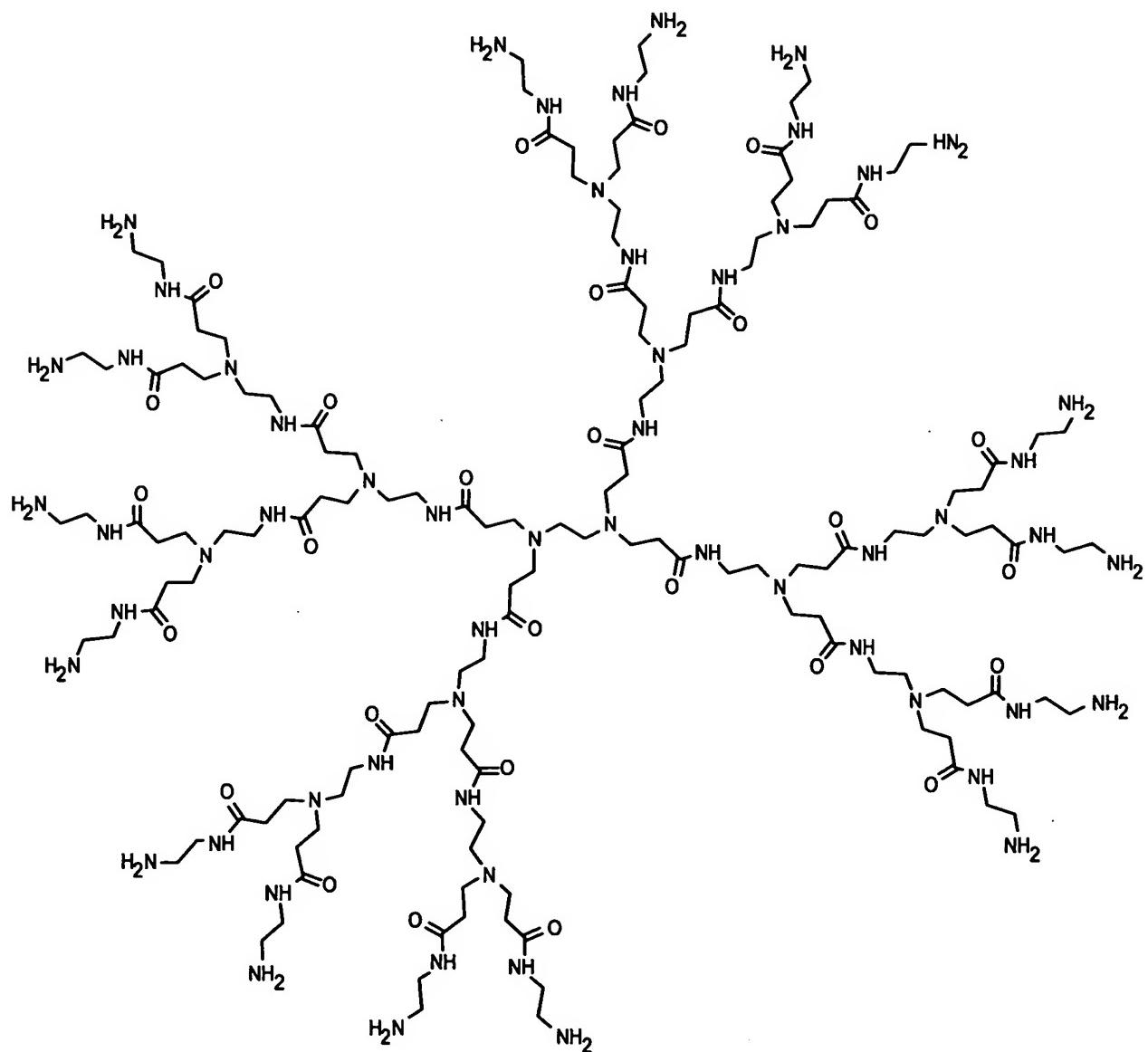
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FIG. 6A



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## FIG. 6B



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## FIG. 6C-1

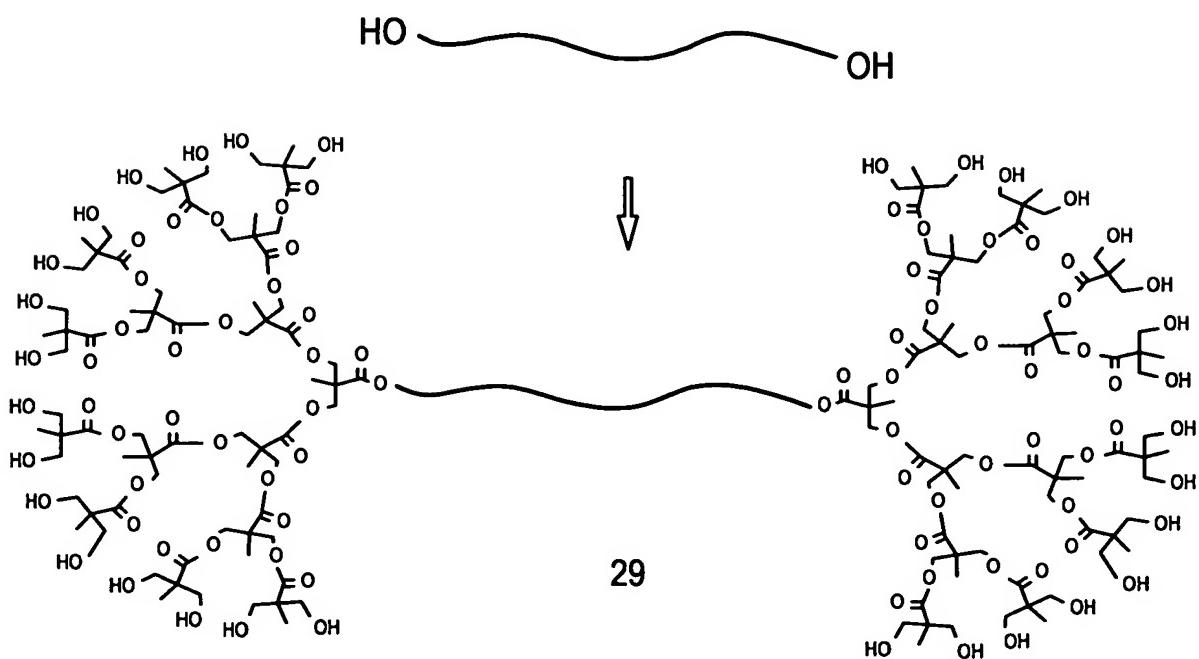
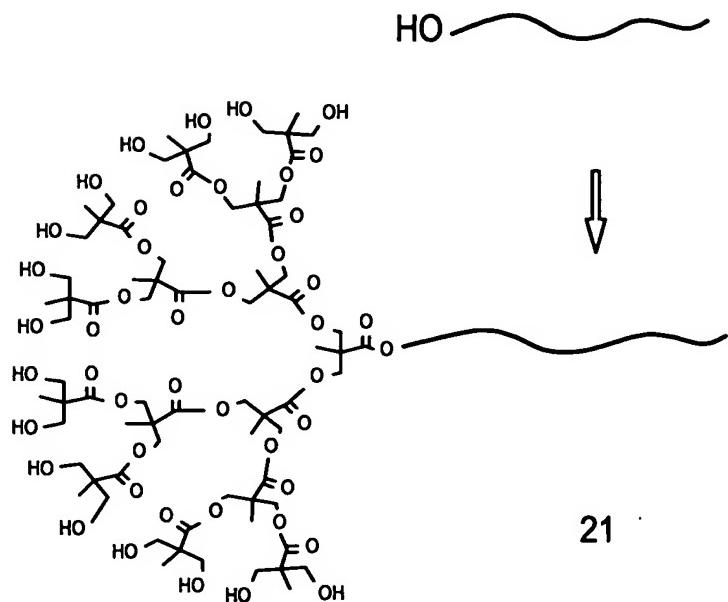
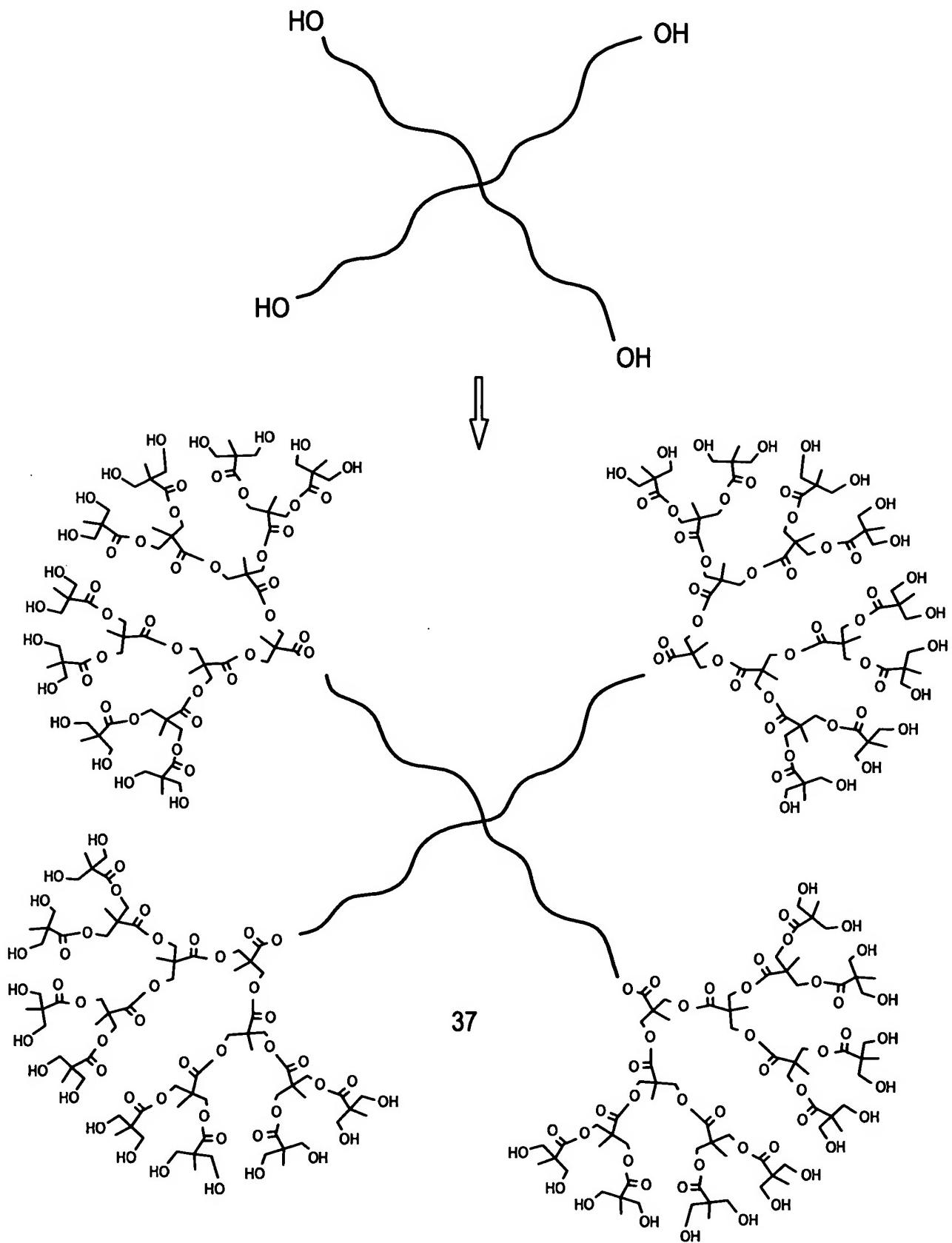


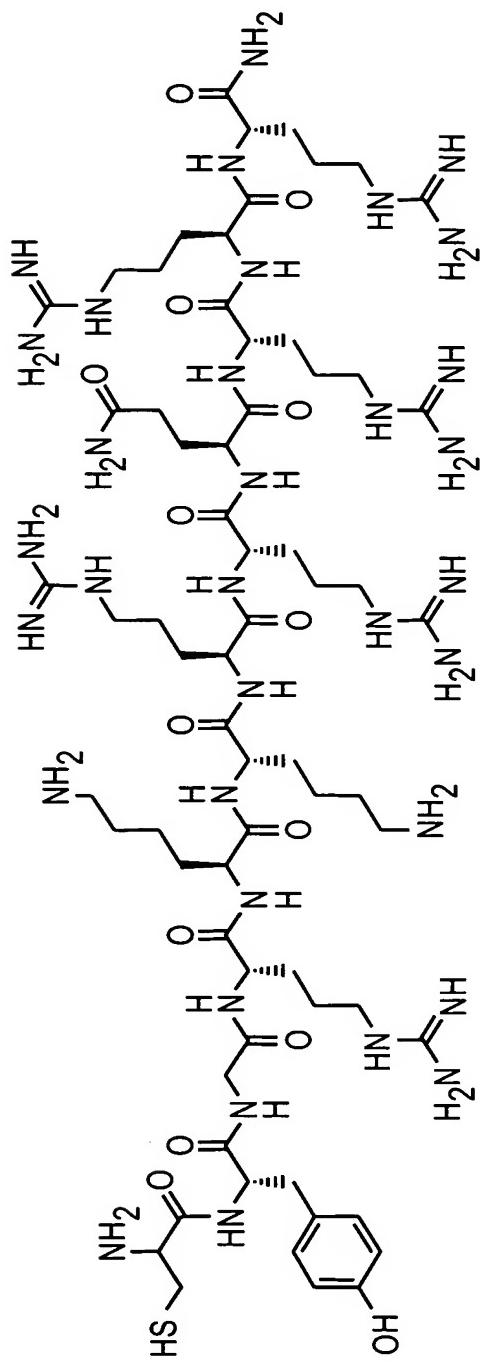
FIG. 6C-2

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FIG. 7

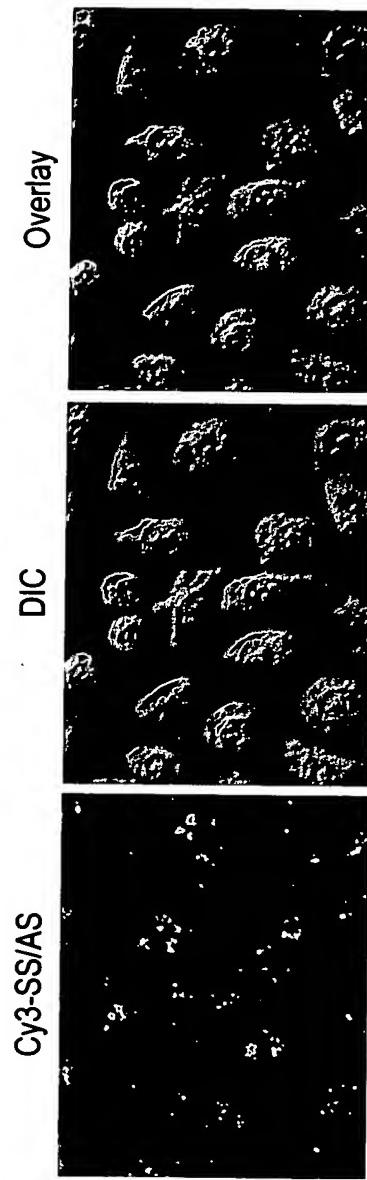


$\text{C}_{67}\text{H}_{124}\text{N}_{34}\text{O}_{14}\text{S}$   
Exact Mass: 1660.98  
Mol. Wt: 1661.99  
C, 48.42; H, 7.52; N, 28.65; O, 13.48; S, 1.93

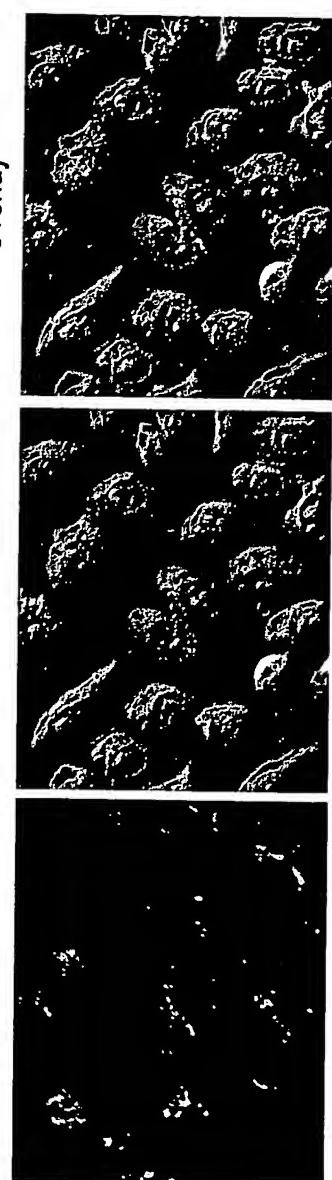
Cys-Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg  
SEQ ID NO.11

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**FIG. 8A**      **FIG. 8B**      **FIG. 8C**



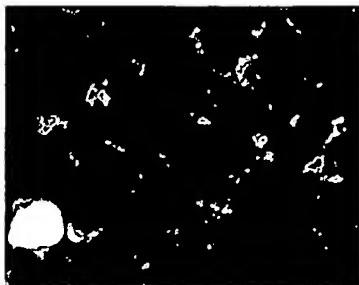
**FIG. 8D**      **FIG. 8E**      **FIG. 8F**



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**FIG. 9A**

Cy3-SS/AS



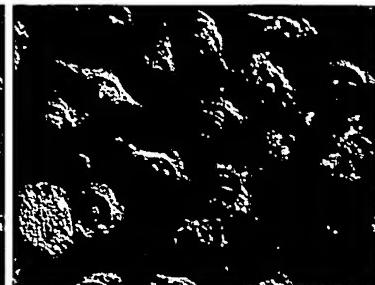
**FIG. 9B**

DIC



**FIG. 9C**

Overlay



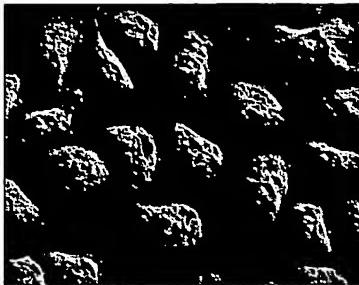
**FIG. 9D**

Cy3-SS/AS



**FIG. 9E**

DIC



**FIG. 9F**

Overlay



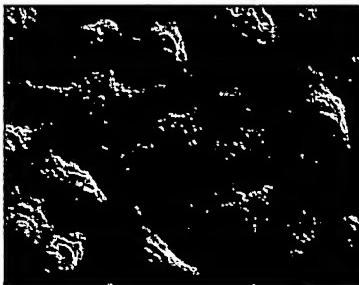
**FIG. 9G**

Cy3-SS/AS



**FIG. 9H**

DIC



**FIG. 9I**

Overlay



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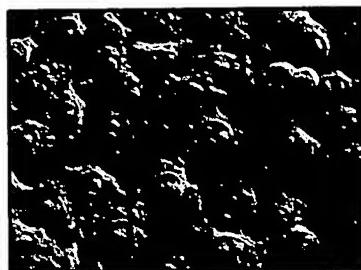
**FIG. 10A**

Cy-SS/AS-TAT(47-57)



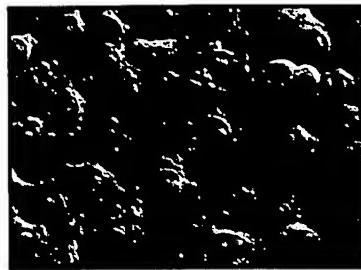
**FIG. 10B**

DIC



**FIG. 10C**

Overlay



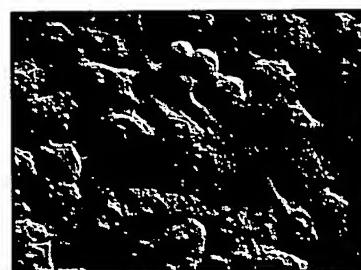
**FIG. 10D**

Cy-SS/AS-TAT(47-57)



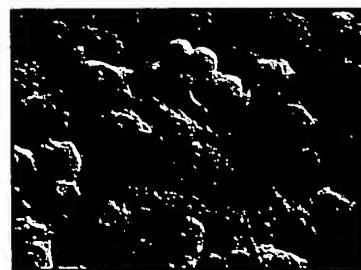
**FIG. 10E**

DIC



**FIG. 10F**

Overlay



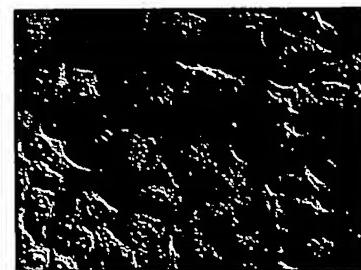
**FIG. 10G**

Cy-SS/AS-TAT(47-57)



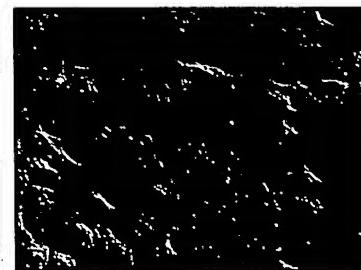
**FIG. 10H**

DIC



**FIG. 10I**

Overlay



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## FIG. 11

